

FIG. 2

Hyper Dense Encoder
and Signal Generator

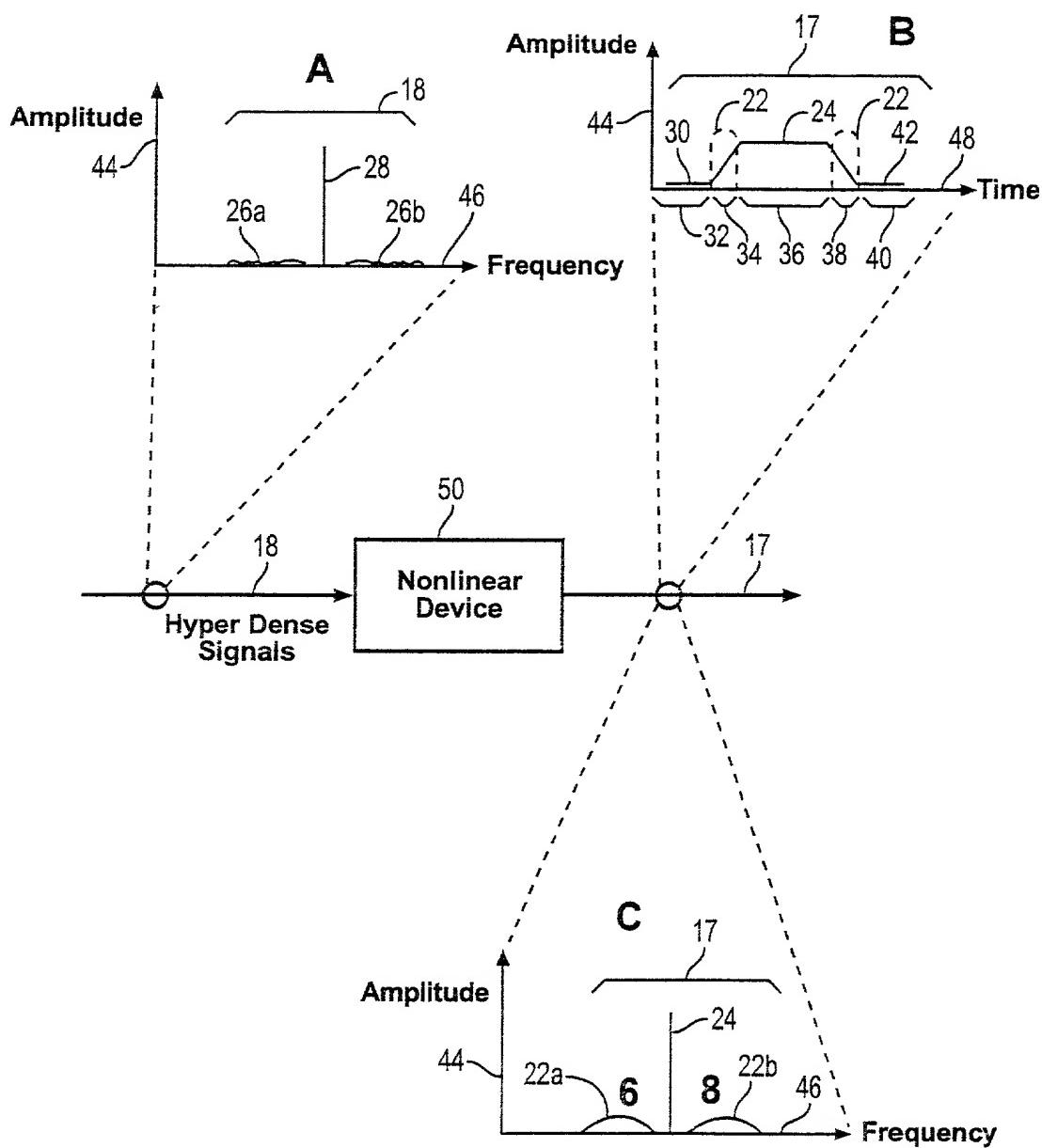


FIG. 3

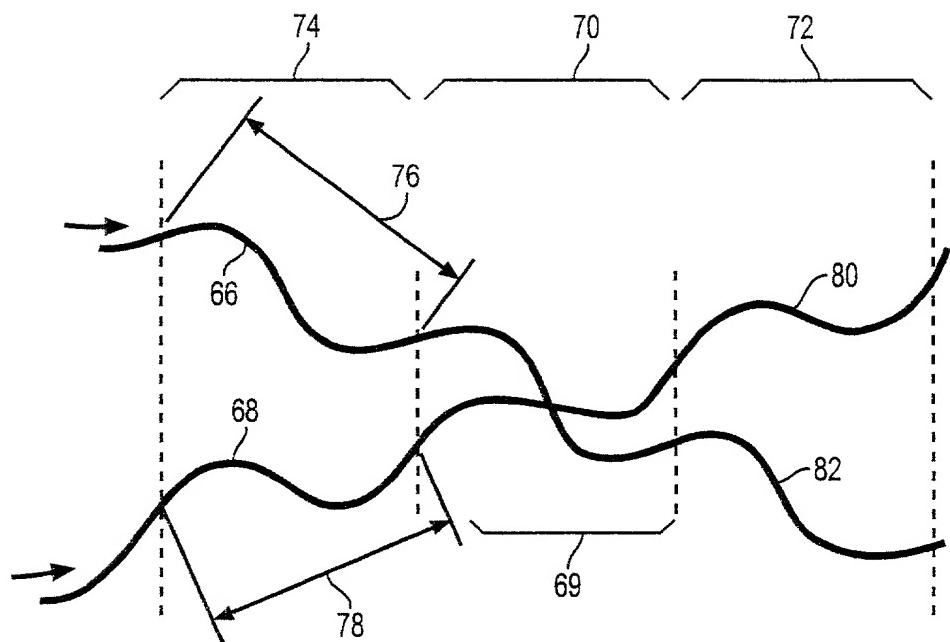


FIG. 4

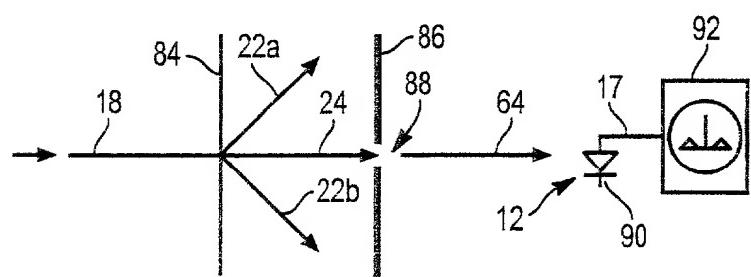
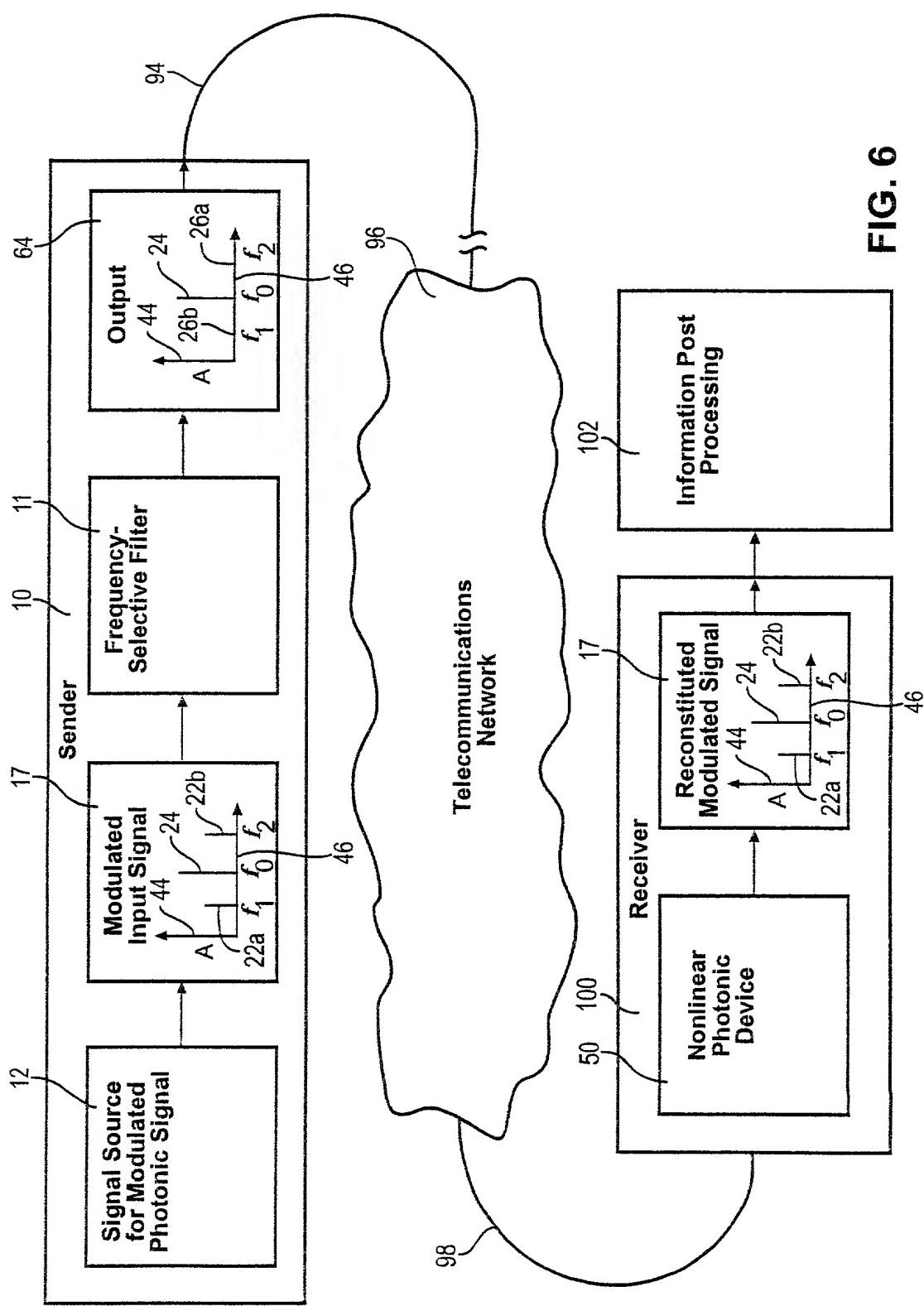


FIG. 5

**FIG. 6**

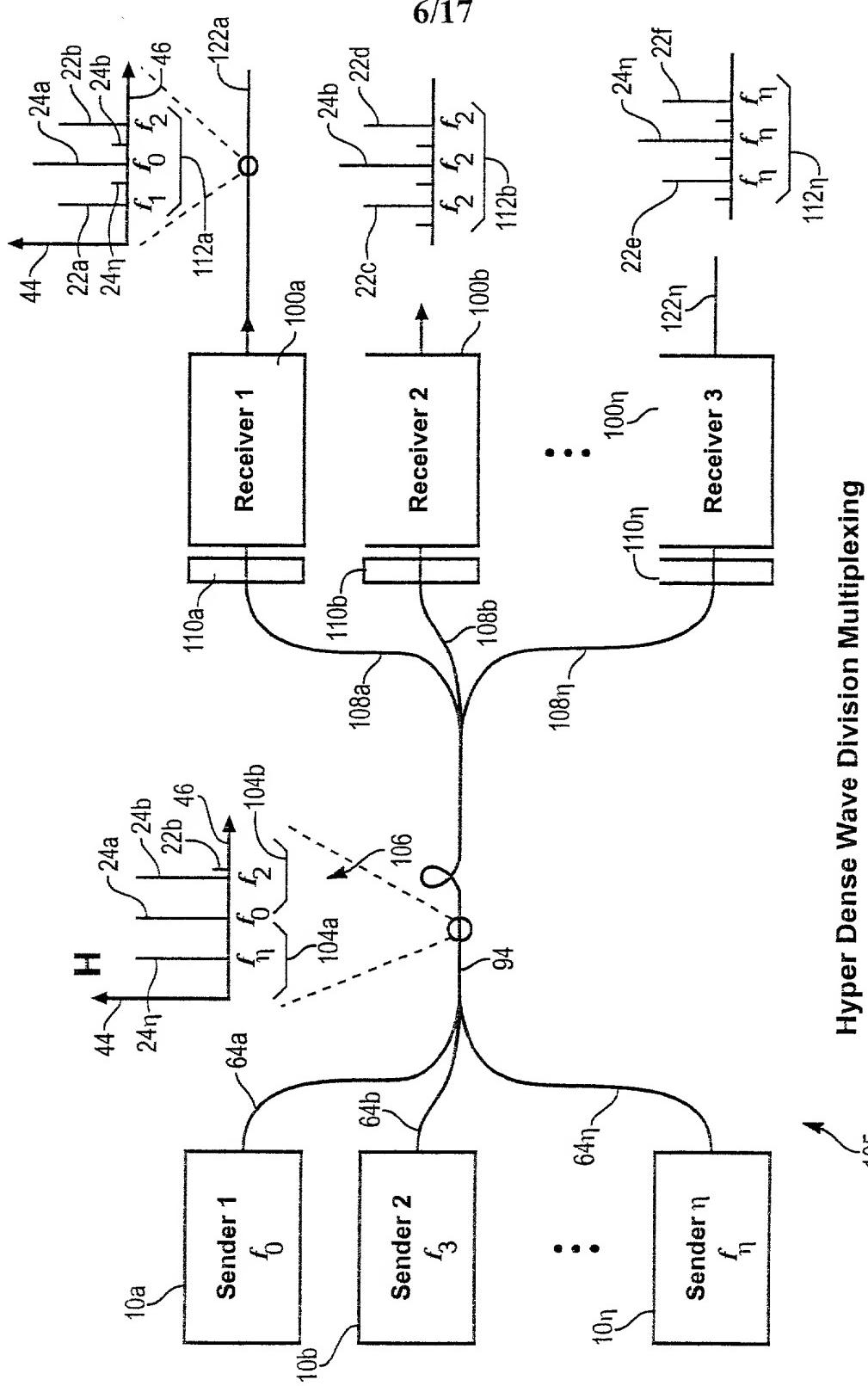
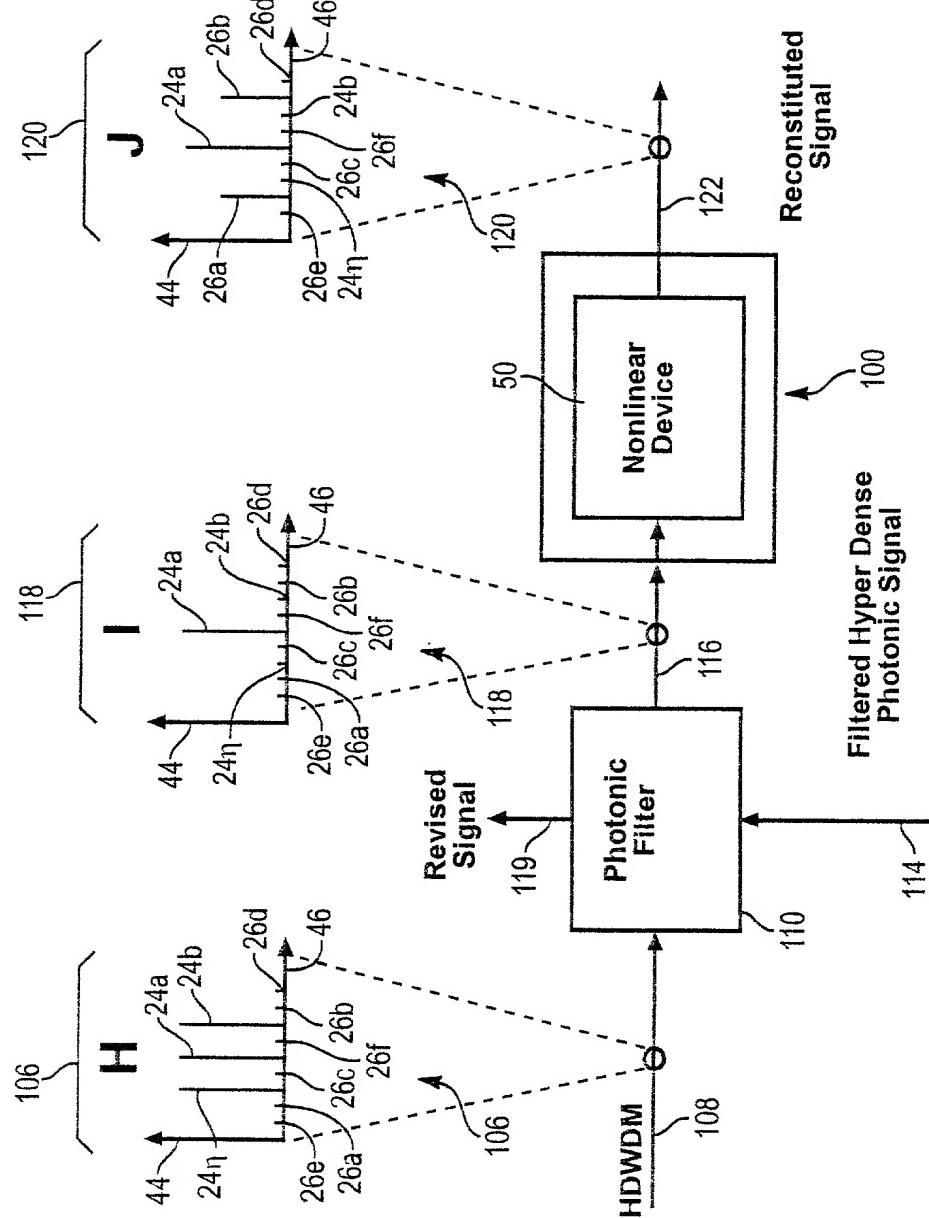


FIG. 7

**FIG. 8**

**Hyper Dense Wave Division Demultiplexor (HDWDDM)
Using Drop-Filter Band Selection**

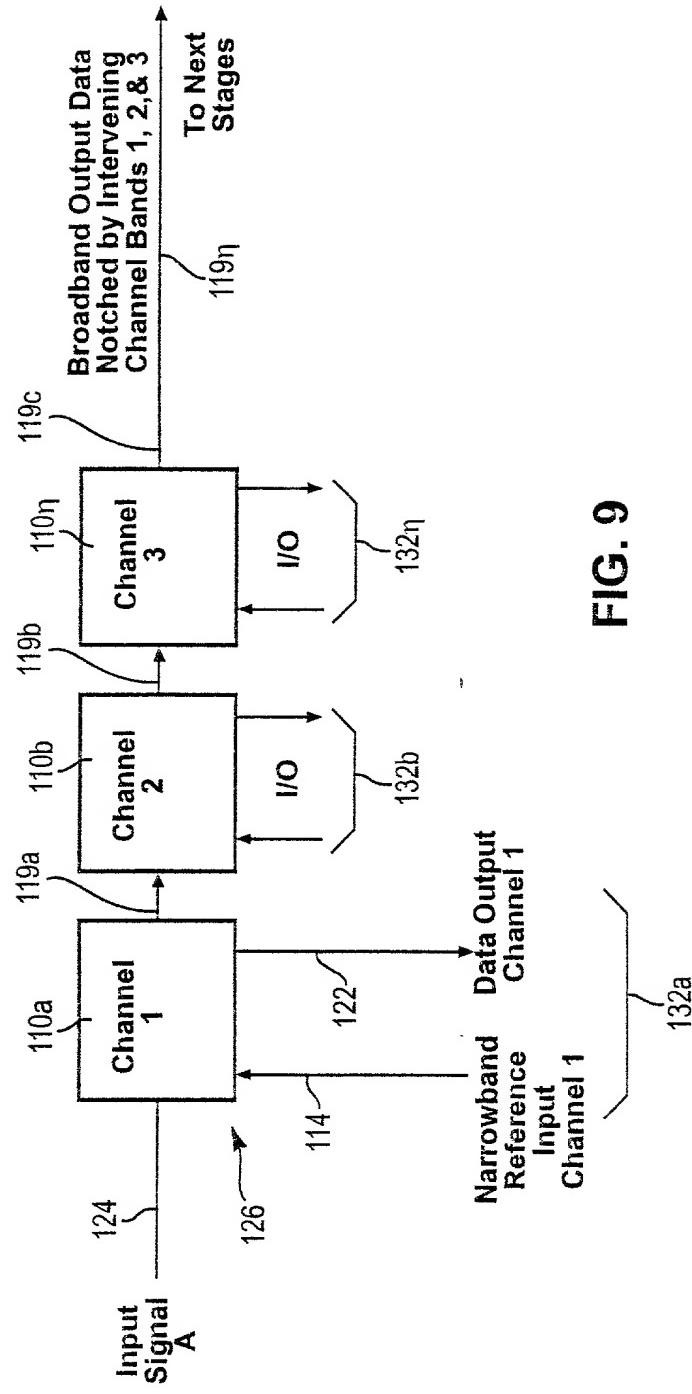


FIG. 9

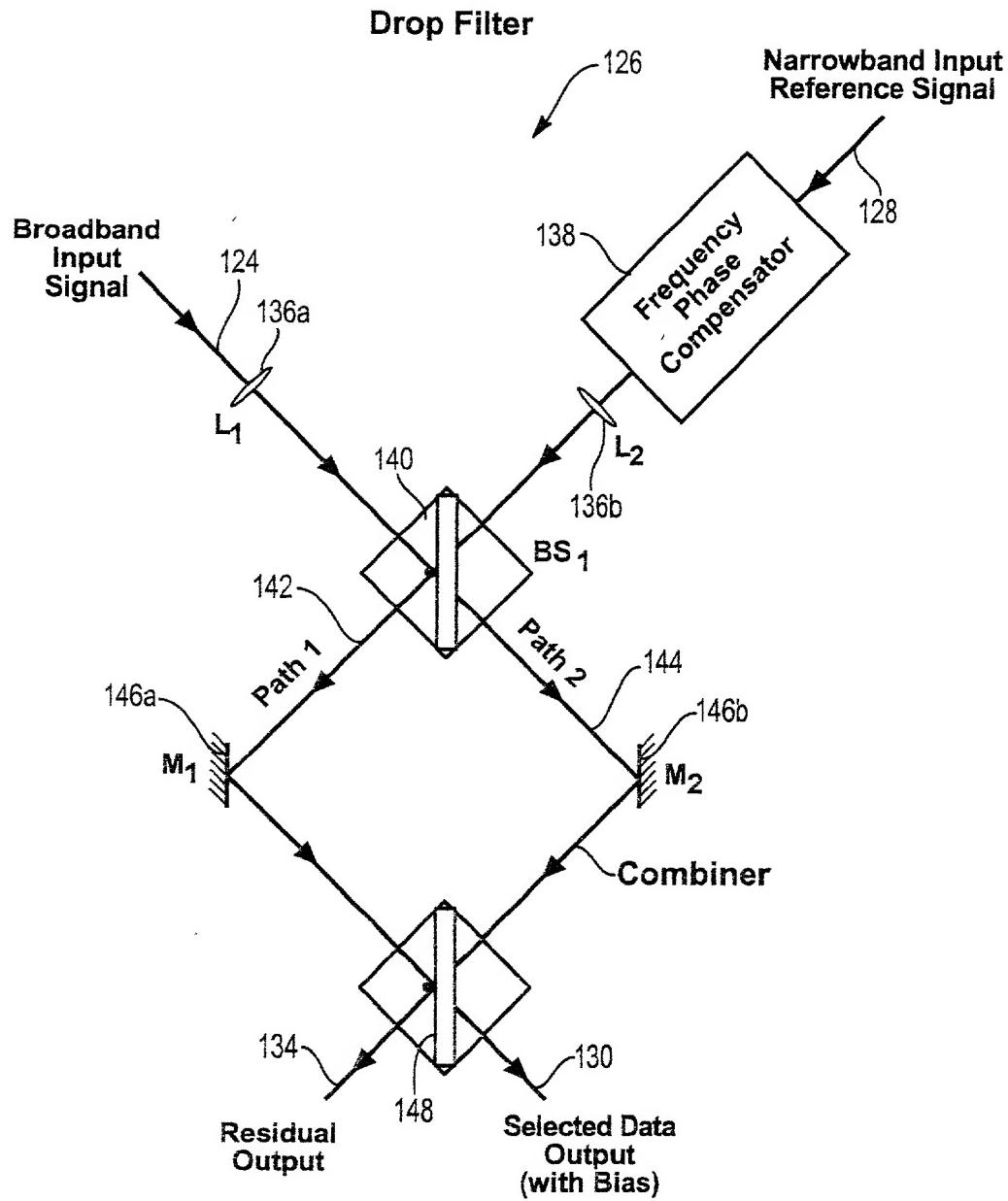


FIG. 10

**Super Hyper Wave Division Demultiplexor (HDWDDM)
Using Drop Filter Band Selection**

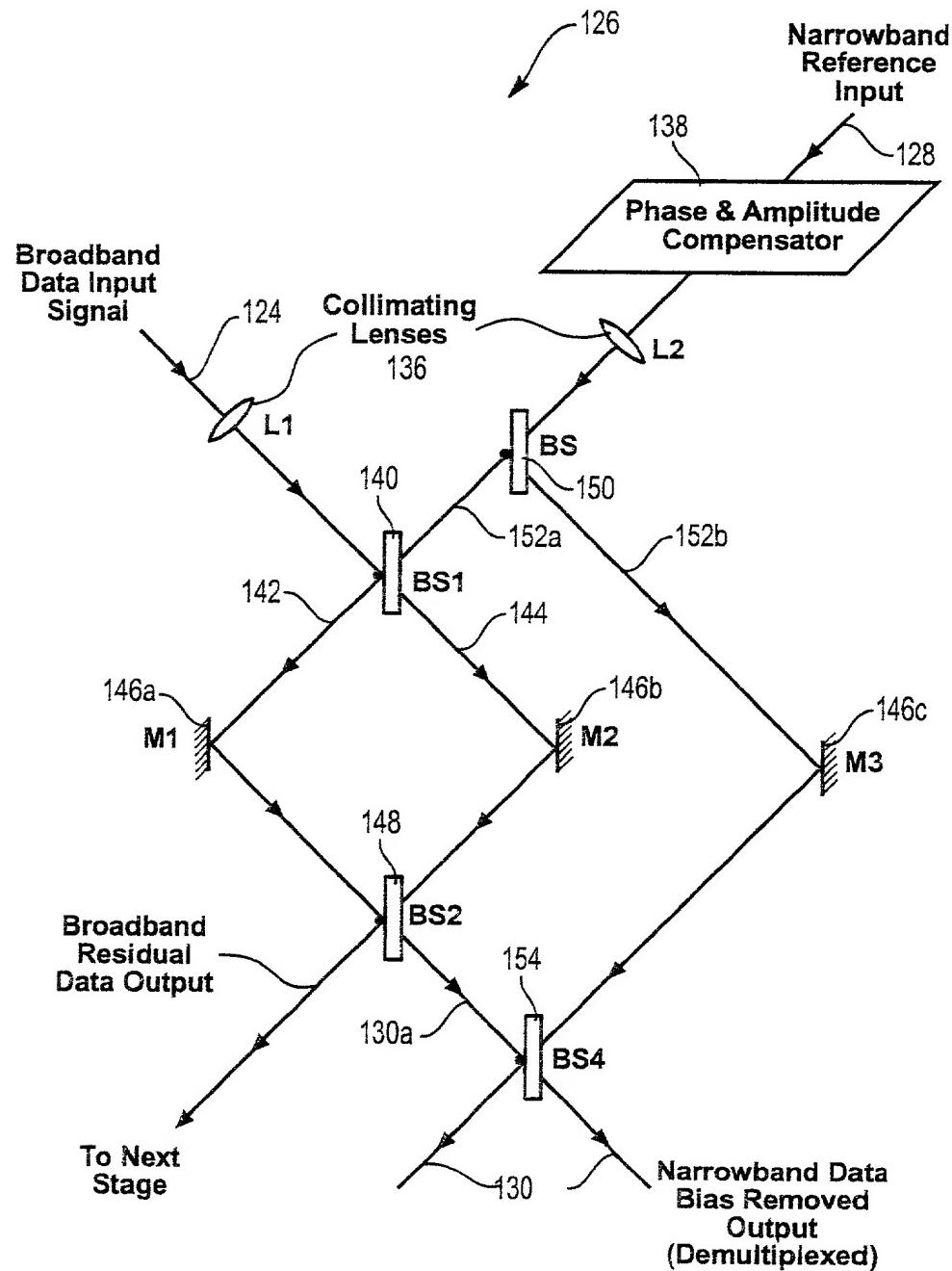
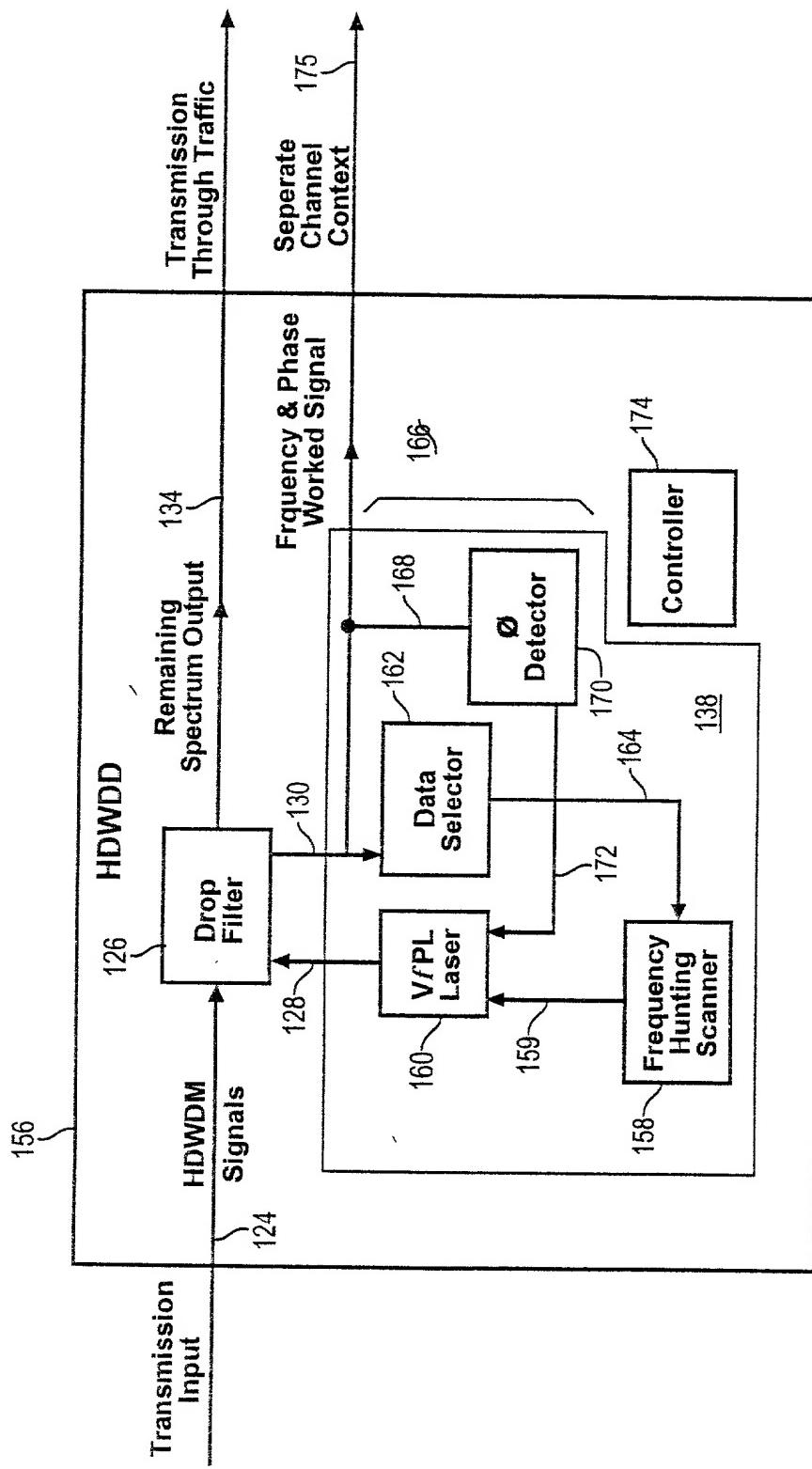


FIG. 11



Hyper Dense Channel Separator

FIG. 12

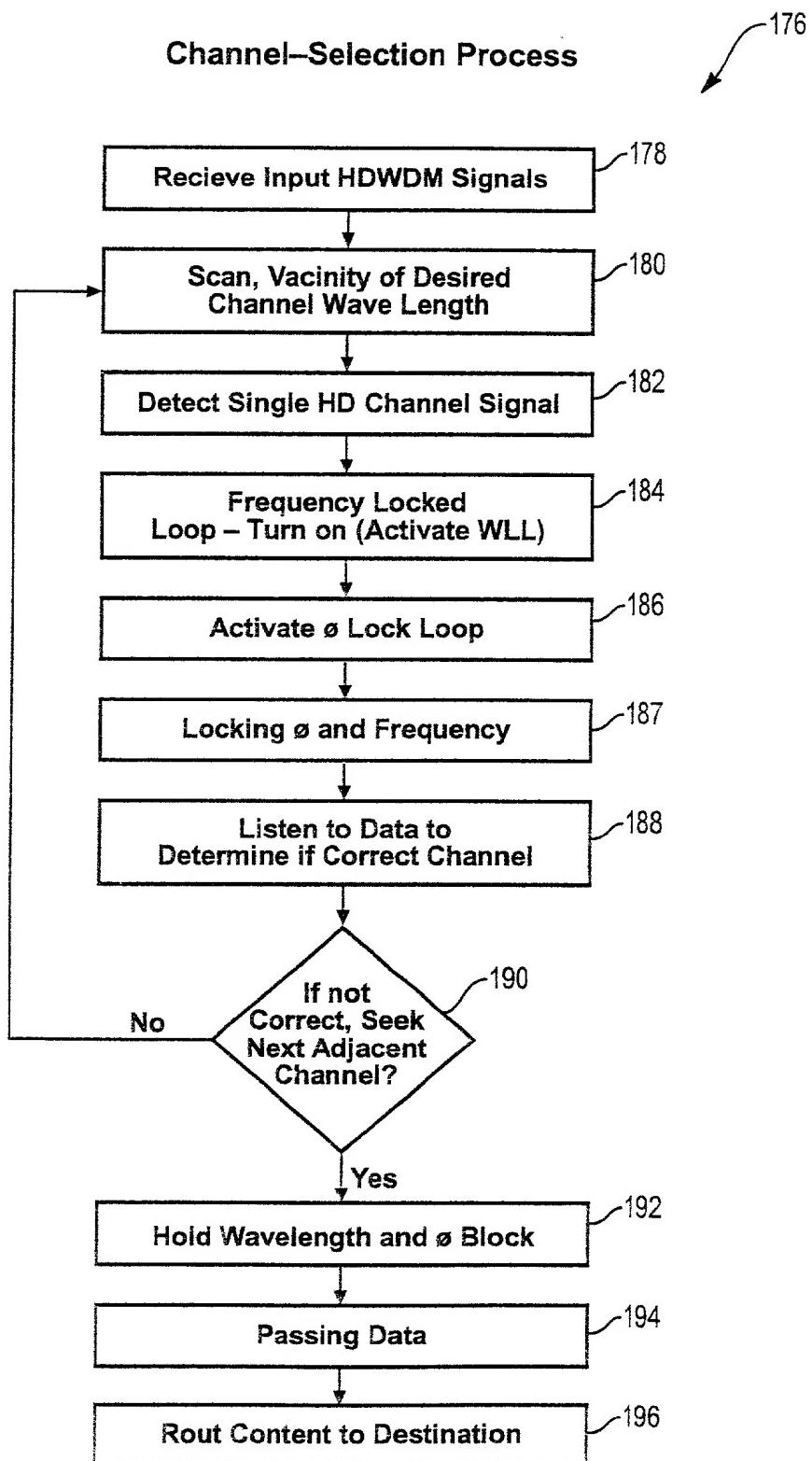
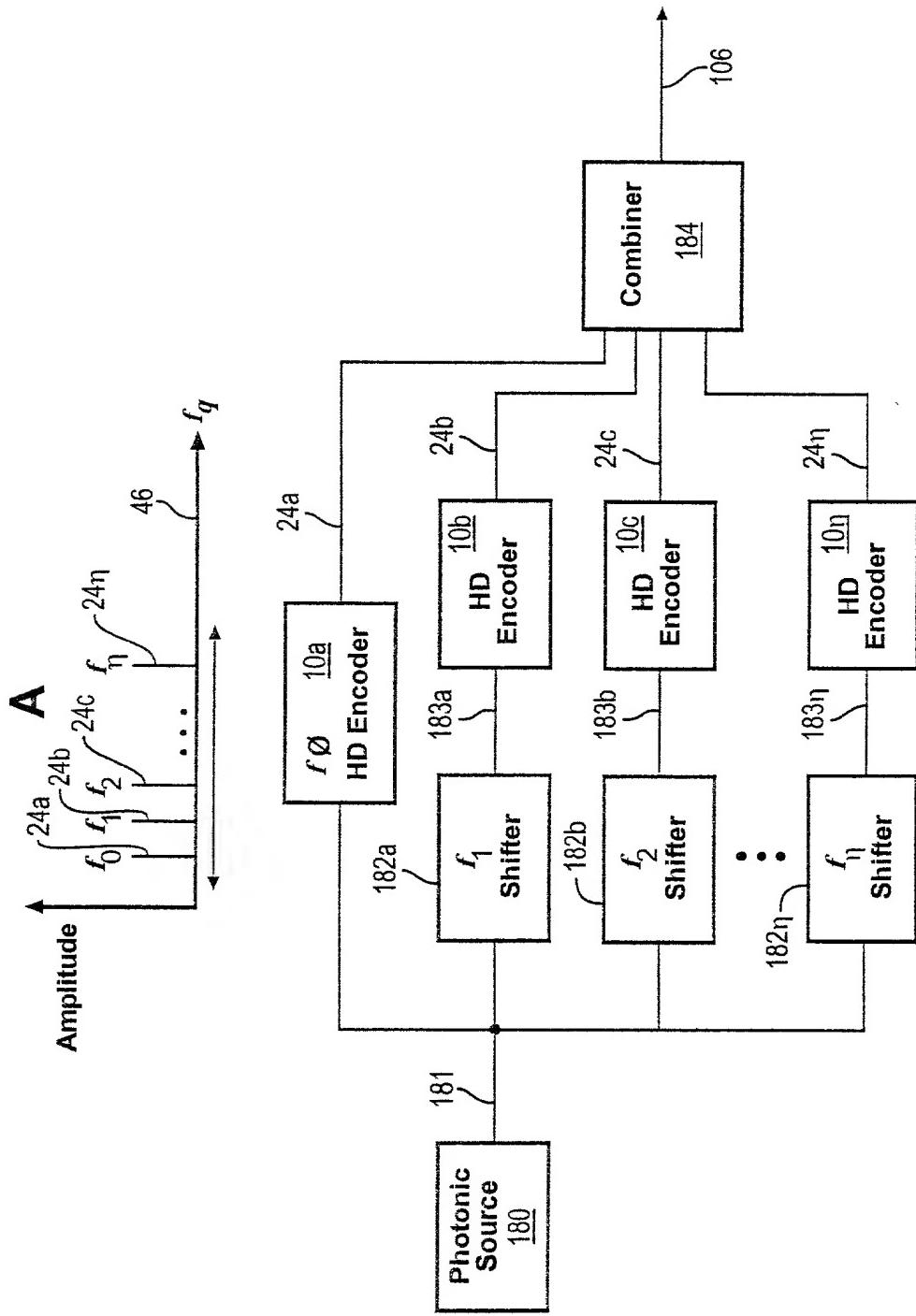


FIG. 13



HDWDM Multiplexer
FIG. 14

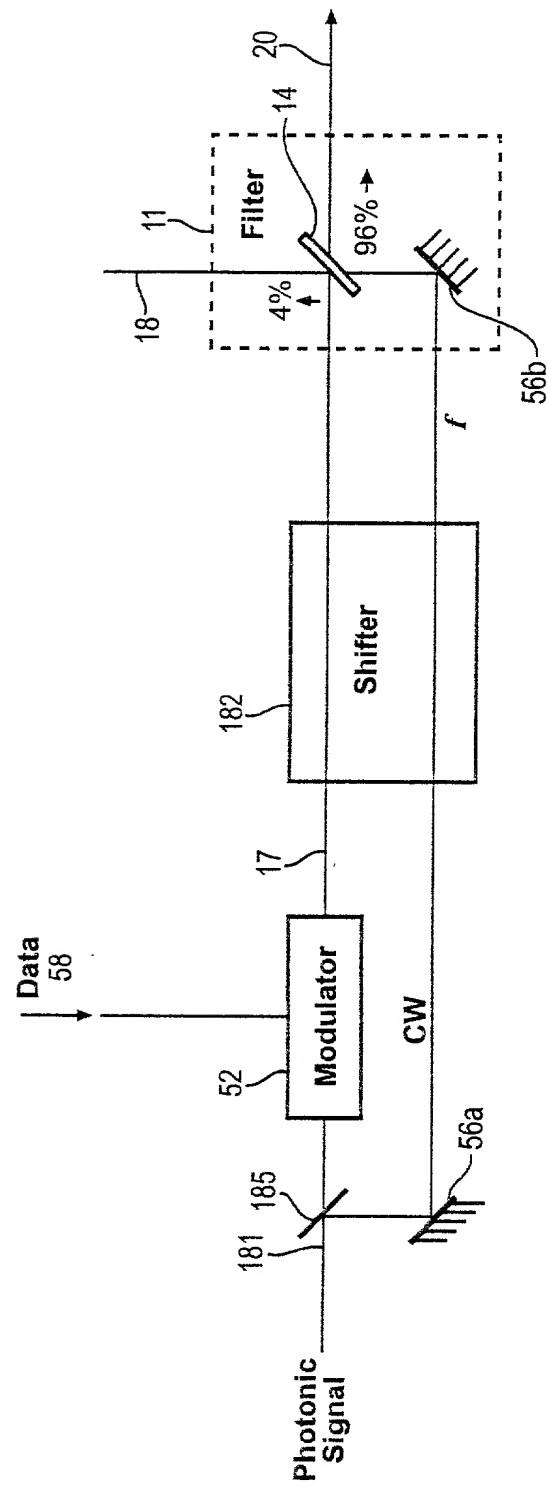


FIG. 15

Hyper Dense Frequency Shifted Signals

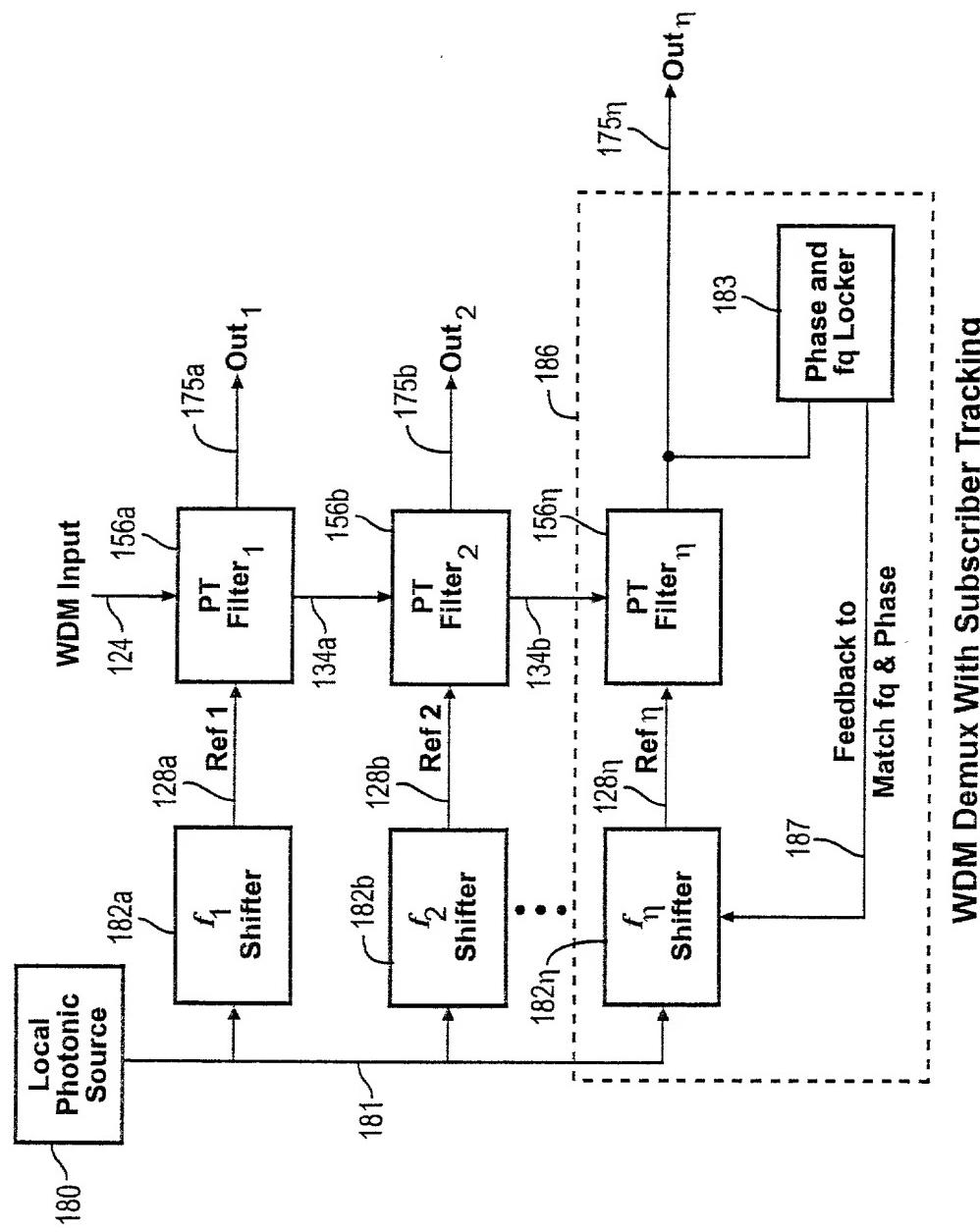
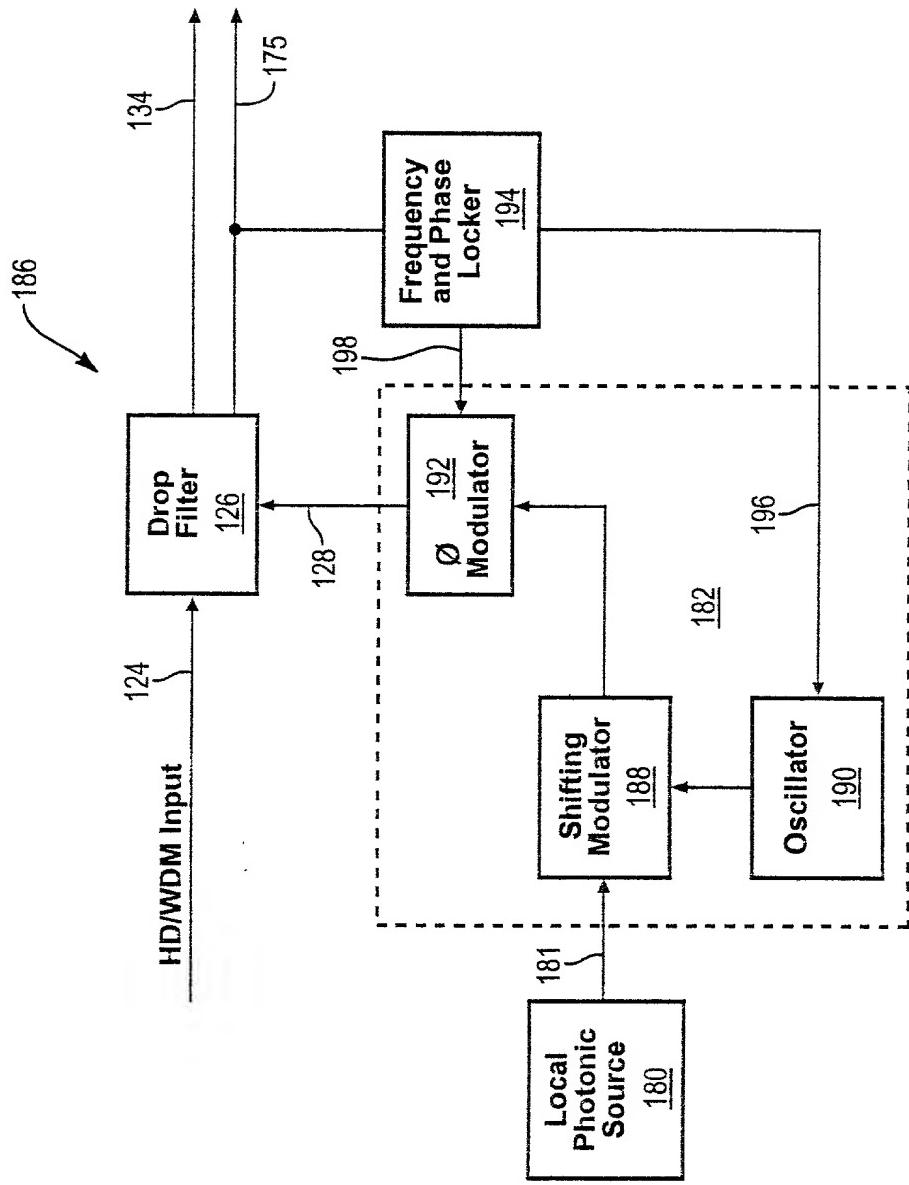


FIG. 16

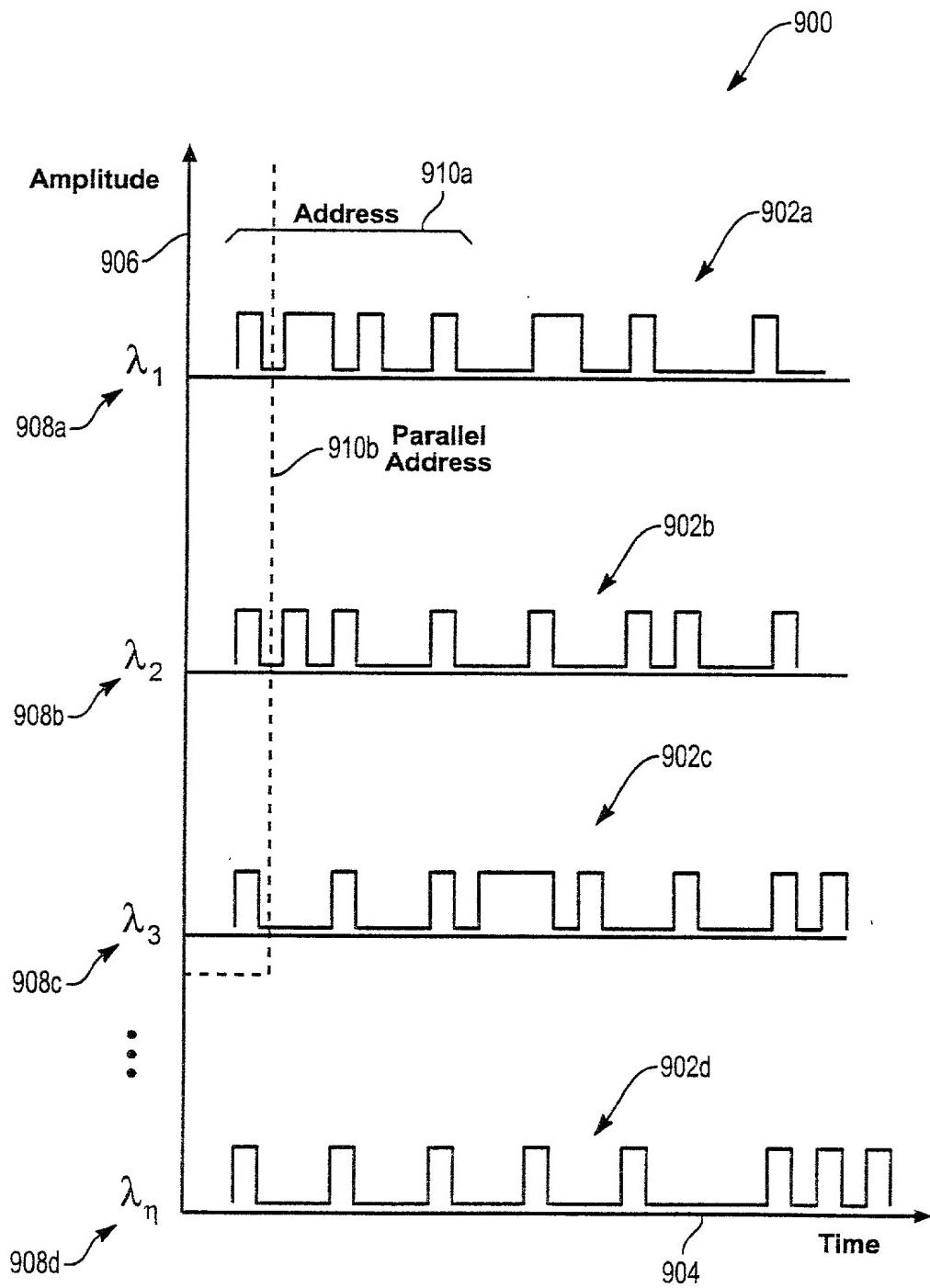
WDM Demux With Subscriber Tracking



Channel Separation Assembly

FIG. 17

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Multi-Wavelengths Packet

FIG. 18